

MISSOURI DISASTER RESPONSE SYSTEM

It is the mission of the Missouri Disaster Response System to temporarily supplement State and Local ESF #8 capabilities by training, equipping, deploying and sustaining a specialized and focused range of health care, medical and fatality management capabilities.



MoDRS Commanders

Kevin Tweedy EMT-P, CCEMTP
Commander / Operations Chief

Dan Manley EMT-P
Deputy Commander

Gary Christman
Deputy Commander

MoDRS

Medical Directors

- ▣ Brian Froelke, MD
- ▣ Team Medical Director

- ▣ Doug Char, MD
- ▣ St Louis Area Medical Director

- ▣ Evan Fusco, MD
- ▣ South West Medical Director

- ▣ Dan Purdom, MD
- ▣ Kansas City Medical Director

MoDRS Fatality Medical Directors

- ▣ Carl Stacy, MD
- ▣ Teams Pathology

- ▣ Eric Wilson, DDS
- ▣ Lead Forensic Dentist

MoDRS

Concurrently, as a result of changes in federal policy regarding National Disaster Medical Assistance Teams (DMAT) teams, which removed them from being local and state assets; in 2006, to a 501(c)3 non-profit charitable corporation to meet the State of Missouri's need for a disaster medical response team as state asset. At that time, the 501(c)3 corporation was incorporated under the name "Missouri - 1 Disaster Medical Assistance Team, Inc." or MO-1 DMAT, Inc..

At its founding in 2006, MO-1 DMAT, Inc. consisted of just a few members with limited equipment and supplies. At the beginning of 2012, MO-1 DMAT, Inc. will have grown to several hundred members representing medical and other professional disciplines coupled with an extensive logistical support system and equipment fleet housed in three strategically located warehouses throughout the state. Since its inception, MO-1 DMAT, Inc. has responded to numerous state level activations. As a result of its significant growth and expansion of its missions, MO-1 DMAT, Inc. has registered, and is operating under doing business as (d/b/a), the Missouri Disaster Response System, Inc. (MoDRS, Inc.).

MODRS Response Missions

Disaster Medical Response, Special Operations,
Mission Support, Medical Reserve Corps &
Mass Fatality Response



Missouri Disaster Response System, Inc.



Team Founded in 1998 as part of NDMS.

Became separate organization in 2006.

Name Change in 2011 to MODRS, Inc.

Locations - Three Sites

Members - 340 - Target of 500

Equipment- \$4.2 million

3 Rapid Response

3 Basic ER's

Mobile Mass Fatality

Response Unit



Major Response Assets

Suburban's (4)

Box Trucks (6)

1 Ton Crew Cab Pull Trucks (3)

Rapid Response Trailer (6-8 Bed ER)

Electrical Generators (7K, 20K, 40K and 60K)

Base X Tents in Sizes 303, 305 & 307 (12)

HVAC Units (10)

Potable Water Filtration Systems

Medical Equipment Supply's for Field Emergency Rooms

Digital X-Ray, Ultra Sounds & Portable Laboratory Units

Oxygen Support Trailer with Oxygen Generation Equipment

Mass Fatality Equipment

Trailers Enclosed & Open Assorted Sizes (12)

Fork Lifts (4)

Bob Cat (tracked)

Extensive Communications /IT Capabilities

Deployment and Mission History

- 2013 ORE FTX
- 2013 SNS Drill K.C.
- 2012 Fatality Equipment Movement
- 2012 Vigilant Guard FTX
- 2012 Ventilators FTX & Table Top
- 2012 Pharmacy Drill
- 2007-2013 State Fair Deployment
- 2012 KC Morgue FTX
- 2005-2013 Whitman Air Show Deployment
- 2011 Joplin Tornado DMAT, MST and MMU. Deployment
- 2011 NLE - FTX and Table Top
- 2011 Kenny Chesney Concert Deployment
- 2010 Pharmacy and PPE Mission
- 2009 Mo Delta Hospital (Flooding) Deployment
- 2008 Power Outages St. Louis (Hospital ER's) Deployment
- 2007 Pharmacy and PPE Mission
- 2007 St. Joseph, Maryville and Savannah Mo. Deployment
- 2006 SW ICE Storm Power Outage and Sheltering. Deployment
- 2006 World Series Deployment
- 2005-2006 Operation Welcome Home. Deployment
- 2004 Fire Fall. Deployment
- 2004-2005 CARE - FTX
- 2003 Half Max (Iron Man) Deployment
- 2002 Full Max (Iron Man) Deployment

Currently 3 locations in Missouri

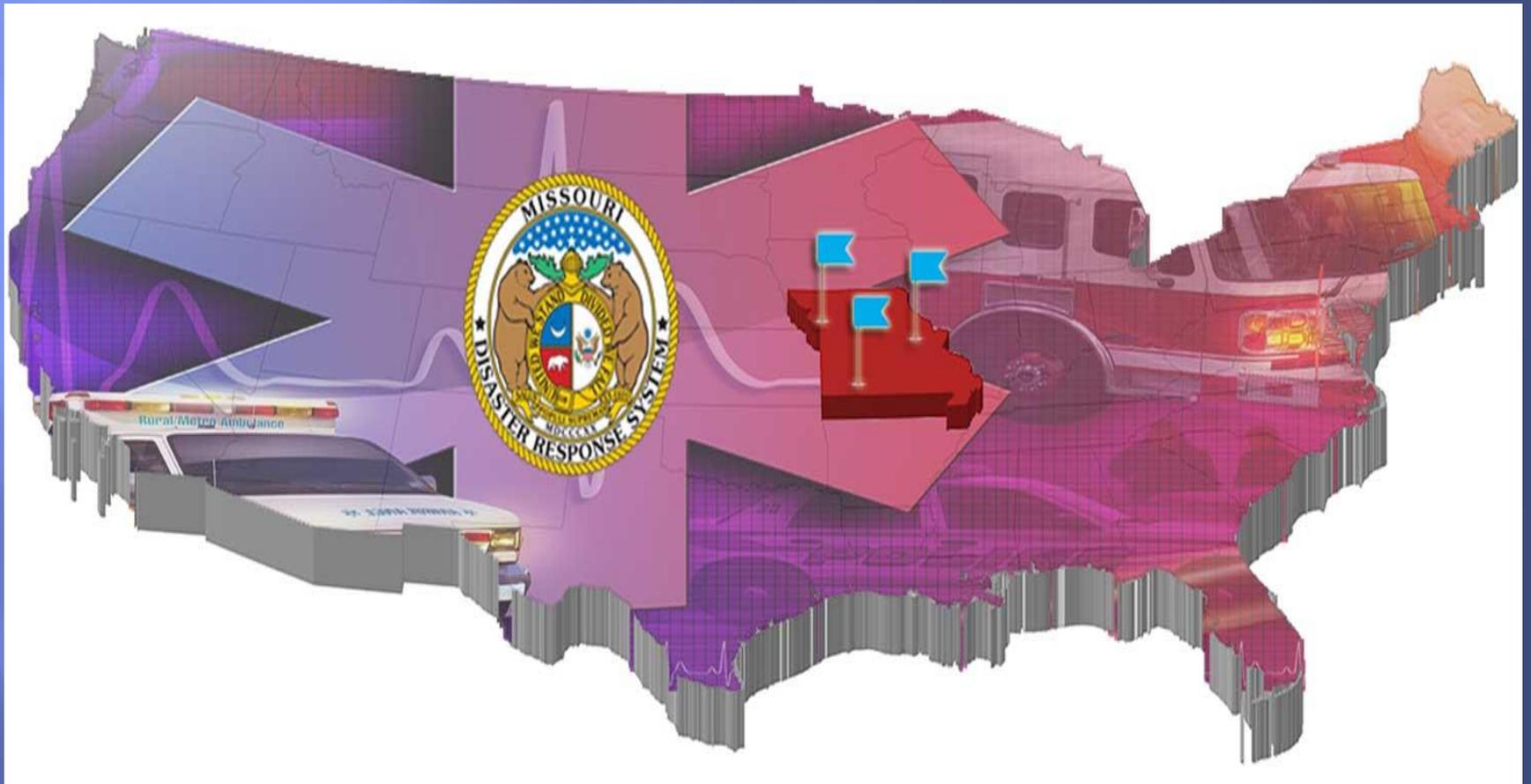
St. Louis Warehouse located in Bridgeton,
Missouri

Kansas City Warehouse located in the
Caves

South West Warehouse in Hollister,
Missouri



Fatality Response



Development of State Mass Fatality Plan

- ▣ Development of fatality team and equipment to exceed or match the Federal DMORT
- ▣ Development of mutual aid plan
- ▣ Develop a process of recovering remains
- ▣ Identification of remains
- ▣ Determining a cause of death
- ▣ Returning remains over to family

MOMORT

Missouri Mortuary Response Team

- ▣ Deployed at the request of the locals
- ▣ 200 + member team of Pathologist, Death Investigators, MSHP, Dental Pathologist, Anthropologist, X Ray Tec's, and others.
- ▣ Brings full portable morgue.

MOMORT Fatality

Dr. Carl Stacy UMC
Pathologist

Dr. Eric Wilson
Lead Dental Pathologist

Joan Harding
Branch Leader

Chris Howard
Liaison

Steve Fine
Liaison

MOMORT PARTNER

Missouri Highway Patrol
Missouri National Guard
Mo. Dept. of Mental Health
Show-Me Response
KCRMORG
STARRS

Partners Reasonability

- ▣ Missouri Highway Patrol
 - ▣ Missing Persons, DNA and Fingerprinting
- ▣ Missouri National Guard
 - ▣ Body Recovery
- ▣ KCRMORG
 - ▣ Backfill MOMORT when needed

Missouri's Portable Morgue



Fatality Equipment



Portable Morgue



Portable Morgue



Morgue Equipment



Supply Inventory





1942



CAN LIN
CAN LIN

1000
Big
Big

RS

DISPENSE
HERE

Disposable Centrifuge Tubes
With Plug Seal Cap
For Single Use Only
Contents inside if unopened

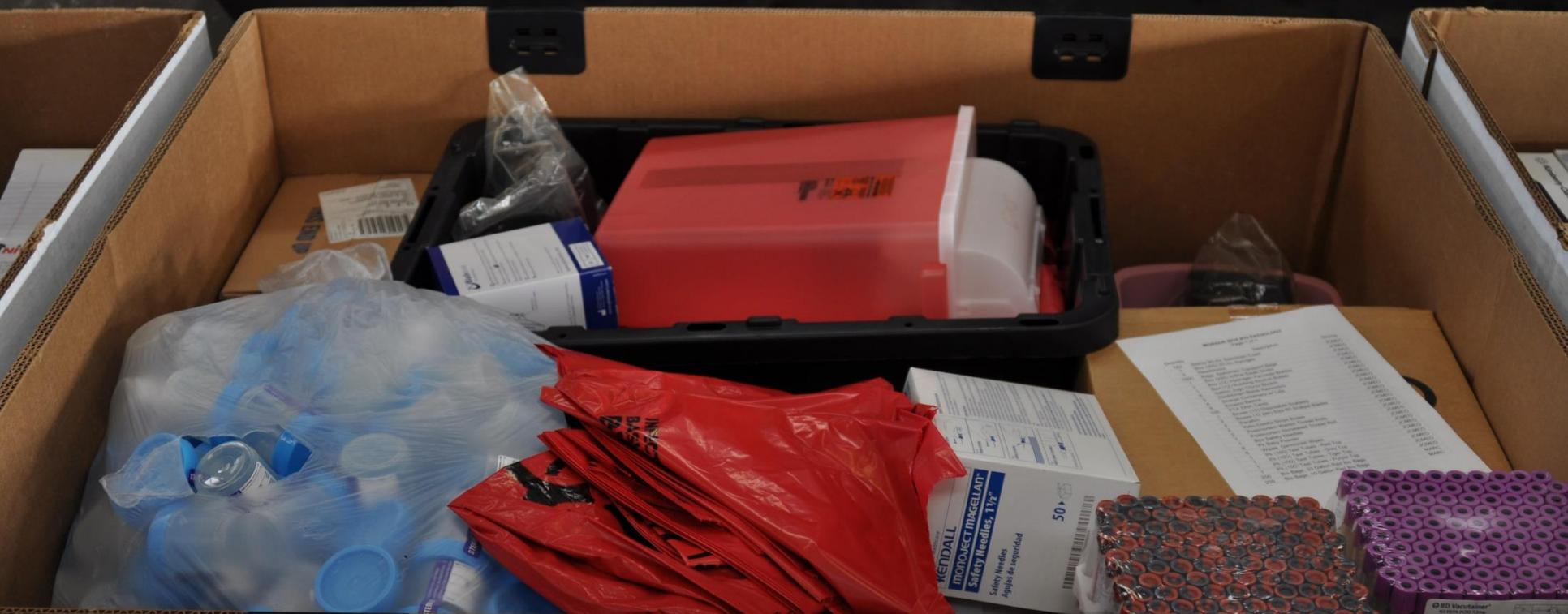
Disposable Centrifuge Tubes
With Plug Seal Cap and Seal
For Single Use Only
Contents inside if unopened



ARROWS INDICATE LOCKING TABS.
PUSH INWARD TO RELEASE.
PULL OUTWARD TO LOCK.

Morgue #8

HANDLE WITH CARE



**ARROWS INDICATE LOCKING TABS.
PUSH INWARD TO RELEASE.
PULL OUTWARD TO LOCK.**



Morgue Box # 10

HANDLE WITH CARE

Portable Morgue

How to request it

If the County Coroner or EMD feels they may need assists from the State Mass Fatality Team contact the SEMA Duty Officer .

SEMA will then contact a MoDRS Mass Fatality Team Member to start the process of what resources will be needed.

Fatality Strike Team can be sent out to help with the evaluation process if needed.

Size Needed

Minimal size of 10,000-12,000.00 square feet

- DPMU re-supply and staging area, minimum of 5,000 square feet
- More square footage may be necessary for casket storage or other mission-specific needs

Site Requirements

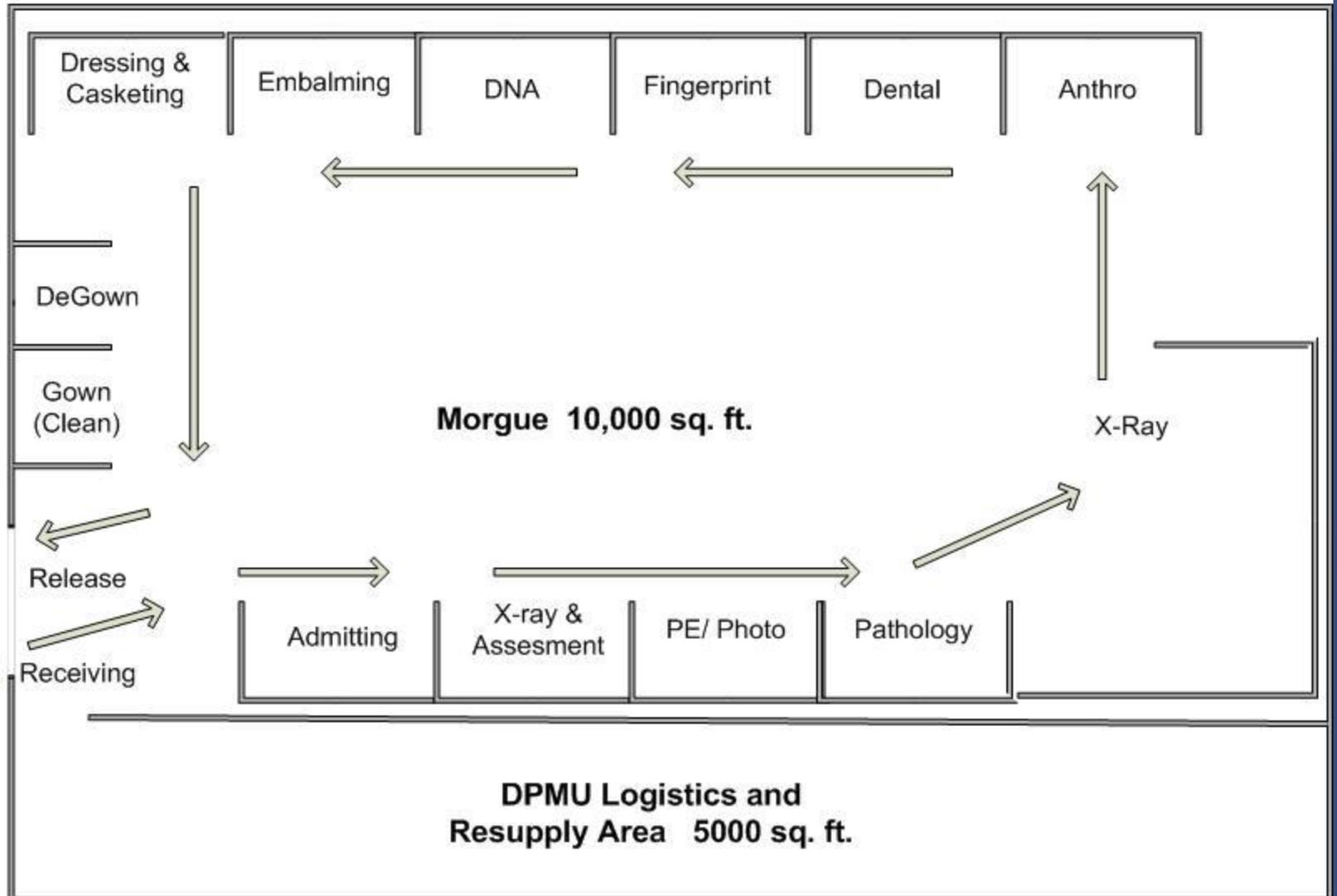
- Structure Type
- Hard, weather-tight roofed structure
- Separate accessible office space for IRC
- Separate space for administrative needs/personnel

Portable Morgue Stations

- Admitting / Receiving
- Gowning / de-gowning
- Photography
- Personal Effects
- Pathology
- Odontology
- Anthropology
- Radiology
- Fingerprints
- DNA
- Embalming
- Dressing and Casketing
- Release
- Ceremonial Area

DMORT DPMU

Morgue and Flow Layout
Total Sq. Ft. 15,000





MOMORT Portable Morgue



Body Entering the Morgue











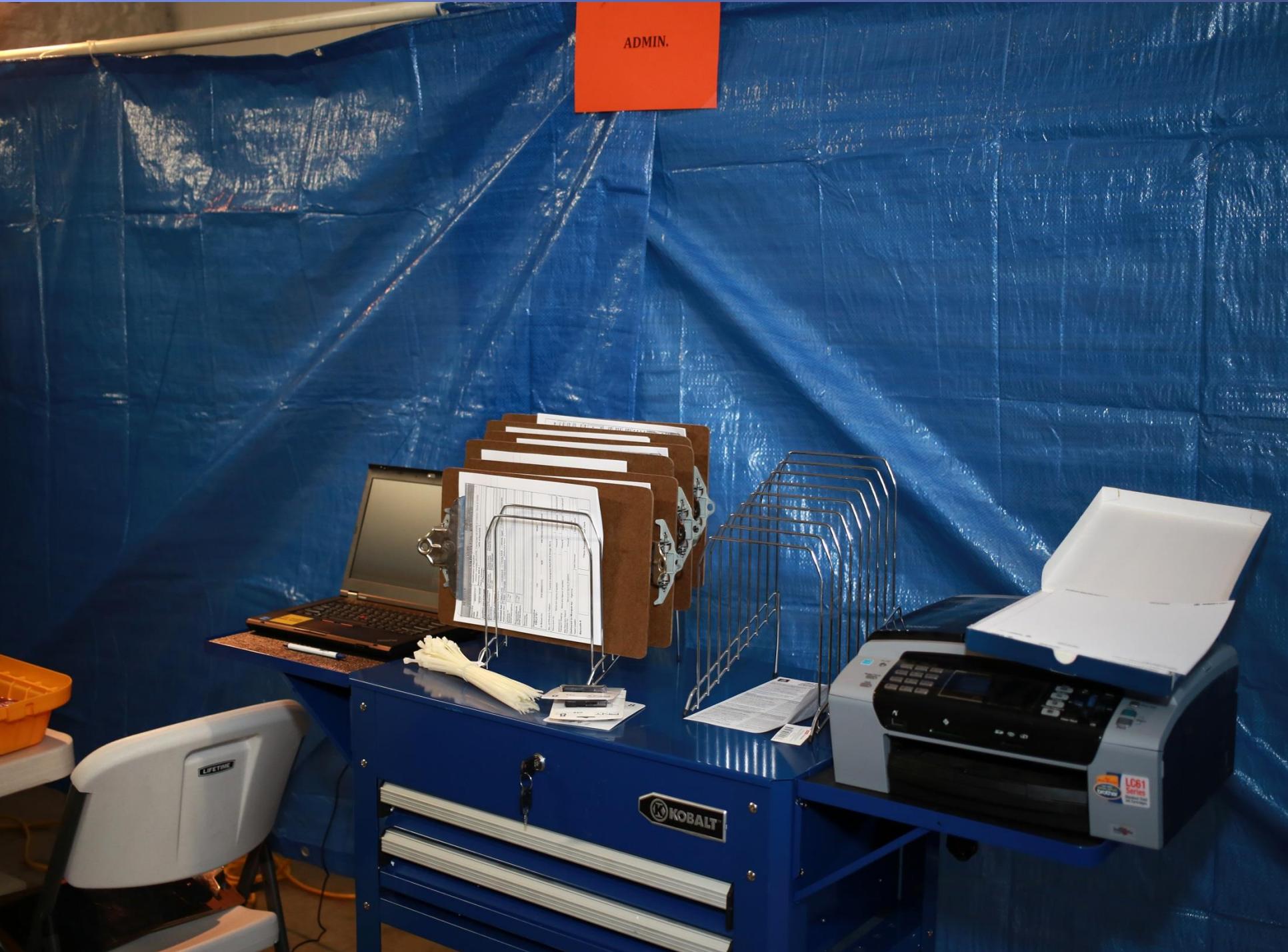
Tracker
ROY

FOOD - BEVERAGES
To
Restrooms





ADMIN.





Fingerprints





FINGERPRINTING

Domestic
Tracker



Dental

DENTAL





Anthropology







Pathology





PATHOLOGY

DNA

Marcal
small steps
All Surfaces That Products Shout
Kills 99.9% of Germs
Kills 99.9% of Bacteria
Kills 99.9% of Viruses
Kills 99.9% of Fungi
Kills 99.9% of Spores
Kills 99.9% of Parasites
Kills 99.9% of Protozoa
Kills 99.9% of Mites
Kills 99.9% of Fleas
Kills 99.9% of Ticks
Kills 99.9% of Lice
Kills 99.9% of Bed Bugs
Kills 99.9% of Cockroaches
Kills 99.9% of Ants
Kills 99.9% of Termites
Kills 99.9% of Wasps
Kills 99.9% of Bees
Kills 99.9% of Mosquitoes
Kills 99.9% of Flies
Kills 99.9% of Beetles
Kills 99.9% of Butterflies
Kills 99.9% of Moths
Kills 99.9% of Grubs
Kills 99.9% of Larvae
Kills 99.9% of Pupae
Kills 99.9% of Eggs
Kills 99.9% of Spores
Kills 99.9% of Bacteria
Kills 99.9% of Viruses
Kills 99.9% of Fungi
Kills 99.9% of Parasites
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Kills 99.9% of Butterflies
Kills 99.9% of Moths
Kills 99.9% of Grubs
Kills 99.9% of Larvae
Kills 99.9% of Pupae
Kills 99.9% of Eggs

22

DNA

DNA





XRAY





Personal Effects/Photographing



Trailer Management



Trailer Management









Transportation





Who's in charge during Mass Fatality's ?

Whether 1 or 100 the local
Coroner or Medical Examiner is
in charge of all deaths.

They are also in charge of Death
Notifications, Determining Cause
of Death and Death Certificates.

Other duties as defined under
Chapter 48 Mo RMS



Coroners Mutual Aid

Annex D

Coroners Mutual Aid Plan

Current Statutes for Disasters

- ▣ Chapter 58
- ▣ Coroners or Medical Examiner may appoint a special deputy coroner or special deputy medical examiner in the event of any natural disaster, mass casualty, or other emergency situation.

Coroner Regional Caches

- ▣ Will be placed into 5 region within the State.
- ▣ Troop D,E,I,B and F.
- ▣ A,C,G and H will be covered by either Kansas City or St. Louis Regions.

Coroners Regional Caches

- ▣ Cost of 24,000.00 to help with the initial response to mass fatalities.
- ▣ Kit were composed of items that were recommended from the MoDRS meeting with Coroners in Branson, Mo in 2012.

Coroners Kits

- PPE kit (glasses, gloves, gown, and mask)
- Headlamp
- Flash light
- Helmet
- Clip Board VIP Forms
- Glow Stick
- Water
- First Aid Kit
- Safety Vest
- Weather prof tablet
- Radio's and GPS (Only in the team leads kits)

Coroner Backpacks



Team Lead Packs GPS and Radios



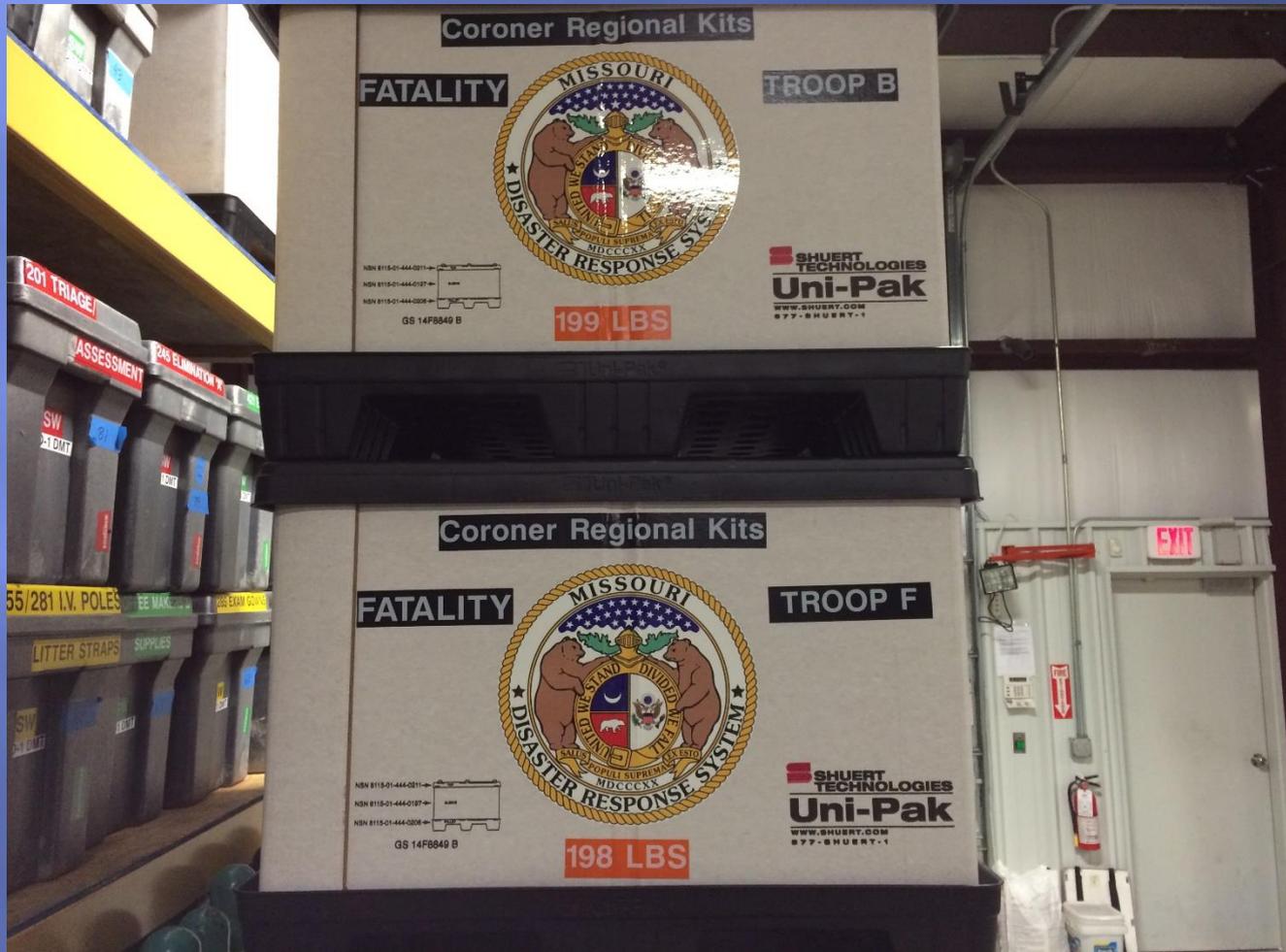
Coroner Packs



Coroner Packs



Troops B, D, E, F and I



Missouri National Guard

- ▣ Have 10 member full trained fatality recovery team available 24-7.
- ▣ Can be called upon by the locals to provide body recovery.
- ▣ Personnel can be used to assist in the set up of the DPMU.
- ▣ Can also be used for trailer management.



Missouri Task Force 1 MoDRS



MoDRS is working on final details on partnering with the MO Task Force 1. MoDRS has agreed to deploy with the Task Force to provide an onsite Emergency Room and Enhanced Force Protection capabilities.



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▣ <https://twitter.com/MoModrs>

Questions

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